

**CLAIMS:**

1. A playback device (8) for playback of a media stream from a storage medium (1), the device comprising reading means (3) for reading at least a part of the media stream, a buffer (4) for holding the part of the media stream, a playback unit (5) for consuming the part of the media stream from the buffer (4) at a predefined rate, and control means (6) for controlling the reading of the media stream from the storage medium (1), filling of the buffer (4) and the playback of the media stream, which control means (6) comprise means (9) for retrieving playback mode control information (7), and means (10) for calculating a buffer refilling time (28) depending on the playback mode control information.
- 10 2. A playback device (8) as claimed in claim 1, wherein the means for retrieving playback mode control information (7) are arranged for retrieving characteristic point information and the means for calculating the buffer refilling time (28) are arranged for calculating the buffer refilling time (28) depending on the characteristic point information.
- 15 3. A playback device (8) as claimed in claim 1, in which the control means (6) are arranged for calculating the buffer filling period (22) depending on information concerning retrieval of the media stream.
- 20 4. A playback device (8) as claimed in claim 3, in which the control means (6) are arranged for calculating the buffer filling period (22) depending on information about the location of the part of the media stream on the storage medium (1).
- 25 5. A playback device (8) as claimed in claim 3, in which the control means (6) are arranged for calculating the buffer filling period (22) depending on information from the file system info.
6. A playback device (8) as claimed in claim 4, in which the control means (6) are arranged for calculating the buffer filling period (22) depending on information about the position of a disk head (2).

7. A playback device (8) as claimed in claim 1, in which the control means (6) are arranged for turning the device (8) in a low power consuming mode for a time interval depending on the buffer refilling time (28).

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8. A method for playback of a media stream from a storage medium, the method comprising the steps of reading at least a part of the media stream, holding the part of the media stream in a buffer, playing back the part of the media stream from the buffer at a predefined rate, and controlling the reading of the media stream from the storage medium, 10 filling of the buffer and the playback of the media stream, which step of controlling comprises the sub steps of retrieving playback mode control information, and calculating a buffer refilling time (28) depending on the playback mode control information.

9. A method as claimed in claim 8, comprising the step of calculating the buffer 15 filling period (22) depending on information concerning the retrieval of the media stream.

10. A computer program product which program is operative to cause a processor to perform the method as claimed in claim 8.